

Sequence Comparison B

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RESULT 11
AI842094/c
LOCUS AI842094 450 bp mRNA EST 14-JUL-1999
DEFINITION UI-M-AN1-afg-e-01-0-UI.s1 NIH_BMAP_MBG_N Mus musculus cDNA clone
UI-M-AN1-afg-e-01-0-UI 3', mRNA sequence.
ACCESSION AI842094
VERSION AI842094.1 GI:5476307
KEYWORDS EST.
SOURCE house mouse.
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 450)
AUTHORS Bonaldo,M.F., Lennon,G. and Soares,M.B.
TITLE Normalization and subtraction: two approaches to facilitate gene
discovery
JOURNAL Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477
COMMENT On Dec 20, 1995 this sequence version replaced gi:1133363.
Contact: Chin, H
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The sequence contained an oligo-dT track that was present in the
oligonucleotide that was used to prime the synthesis of first
strand cDNA and therefore this may represent a bonafide poly A
tail. The sequence tag present in the cDNA between the NotI site
and the oligo-dT track served to verify it as a clone from the
normalized basal ganglia library cDNA Library Preparation: M.B.
Soares Lab Clone distribution: NIH BMAP cDNA clones will be made
available by the means that is soon to be determined. When NIH
determines the means for distribution of the BMAP cDNA clones, this
record will be updated accordingly when that means is determined.
Seq primer: M13 Forward
POLYA=Yes.

FEATURES
source Location/Qualifiers
1..450
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UI-M-AN1-afg-e-01-0-UI"
/clone_lib="NIH_BMAP_MBG_N"
/dev_stage="27-32 days"
/lab_host="DH10B (Life Technologies)"
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; The
NIH_BMAP_MBG_N library is a normalized library constructed
from mouse basal ganglia. The tag is a string of 5
nucleotides present between the Not I site and the
oligo-dT track. The library was constructed as described
by Bonaldo, Lennon and Soares, Genome Research 6:
791-806, 1996. Tissue provided by Ms. Annie Novakovich,
Zivic-Miller Laboratories.
TAG_LIB=NIH_BMAP_MBG_N
TAG_TISSUE=basal-ganglia
TAG_SEQ="TGTAC"

BASE COUNT 105 a 107 c 107 g 131 t
ORIGIN

Query Match 8.7%; Score 263.2; DB 61; Length 450;
Best Local Similarity 93.8%; Pred. No. 4.9e-64;
Matches 285; Conservative 0; Mismatches 18; Indels 1; Gaps 1;

QY 156 caaactggtatgctg-cctggcagggtctttggatgttaaagtatctgagaccagcagtc 214
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 450 CCAACTGGTATGCTGCTCCCTGGCTGGGTCTTTGGATGTTAAAGTGCTGAGACCAGCAGTC 391

QY 215 accaggatgctgtgacctctgtaccctgggaattgggacggcctttggagagtcacattc 274
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 390 ACCAGGATGCGGTGACCATCTGCACCTCTGGGAATTGGGACAGCCTTTGGAGAGTCCATTC 331

QY 275 tggacaacacacccccgccaatgcaaccatcggtaccaggagagcagtgaaactgctccgca 334
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 330 TGGATAACACCCTCGCCATGCAACCATCGTTACCAGGGAGAGCAGCGAATCTCTCCGCA 271

QY 335 tcgagcagaaggacttcaaggcactatgggagaaaatcgacagtatatggcaggacttc 394
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 270 TTGAGCAGAGGAGACTTCAAGGCACACTATGGGAGAATACCGACAGTATATGGCCGGACTTC 211

QY 395 tggctcctccttatggtattatggaaacgggctctaacaatgacaggattcctgacaagg 454
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 210 TGGCTCCTCCCTATGGTGTATTGGAACGGGCTCTAACAATGACAGGATTCCTGACAAGG 151

QY 455 agaa 458
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Db 150 AGAA 147

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